

## EAST Search History

| Ref # | Hits   | Search Query  | DBs                              | Default Operator | Plurals | Time Stamp          |
|-------|--------|---|----------------------------------|------------------|---------|---------------------|
| L1    | 872    | 156/89.12,89.14,89.16,89.23.ccls.                                   | US_PGPUB;<br>USPAT; USOCR        | OR               | ON      | 2008/01/30<br>08:23 |
| S1    | 1      | ("20060055288").PN.   | US_PGPUB;<br>USPAT; USOCR        | OR               | OFF     | 2008/01/22<br>13:51 |
| S2    | 12     | "58196077" or "844678" or "19646676" or "10017331"                  | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/01/22<br>14:03 |
| S4    | 123060 | piezoelectric or piezoceramic or electroceramic or electrostrictive | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/01/22<br>15:19 |
| S5    | 14556  | green adj (foil or sheet or ceramic) or greensheet                  | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/01/22<br>15:28 |
| S6    | 154045 | crack or microdisturbance or microcrack                             | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/01/22<br>15:29 |
| S7    | 62     | S4 and S5 and S6  | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/01/22<br>14:23 |
| S8    | 264364 | stress  | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/01/22<br>14:23 |
| S9    | 26     | S4 and S5 and S8  | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/01/22<br>14:23 |
| S10   | 62     | S4 and S5 and S6  | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/01/22<br>14:23 |
| S11   | 26     | S4 and S5 and S8  | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/01/22<br>14:31 |
| S12   | 619707 | slit or slot  | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/01/22<br>14:31 |
| S13   | 37     | S4 and S5 and S12   | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/01/22<br>14:38 |
| S14   | 7183   | S4 and (S6 or S8 or S12)  | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/01/22<br>14:38 |
| S15   | 555512 | sinter\$3 or fire\$1 or firing or bake\$1 or baking                 | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/01/22<br>14:39 |
| S16   | 356    | S14 and S15   | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/01/22<br>14:39 |
| S17   | 324    | S16 not S7  | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/01/22<br>14:39 |
| S18   | 115070 | piezoelectric or piezoceramic or electroceramic or electrostrictive | US_PGPUB;<br>USPAT; USOCR        | OR               | ON      | 2008/01/22<br>15:19 |

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|-----|--------|---|----------------------------------|----|----|---------------------|
| S19 | 2102   | 156/89.11-89.27.ccls.   | US-PGPUB;<br>USPAT; USOCR        | OR | ON | 2008/01/22<br>15:19 |
| S20 | 128    | S18 and S19   | US-PGPUB;<br>USPAT; USOCR        | OR | ON | 2008/01/22<br>15:19 |
| S21 | 10567  | green adj (foil or sheet or ceramic or tape) or greensheet          | US-PGPUB;<br>USPAT; USOCR        | OR | ON | 2008/01/22<br>15:28 |
| S22 | 204776 | crack or microdisturbance or microcrack                             | US-PGPUB;<br>USPAT; USOCR        | OR | ON | 2008/01/22<br>15:31 |
| S23 | 500    | S18 and S21 and S22   | US-PGPUB;<br>USPAT; USOCR        | OR | ON | 2008/01/22<br>15:32 |
| S24 | 115070 | piezoelectric or piezoceramic or electroceramic or electrostrictive | US-PGPUB;<br>USPAT; USOCR        | OR | ON | 2008/01/23<br>07:48 |
| S25 | 10567  | green adj (foil or sheet or ceramic or tape) or greensheet          | US-PGPUB;<br>USPAT; USOCR        | OR | ON | 2008/01/23<br>07:48 |
| S26 | 204776 | crack or microdisturbance or microcrack                             | US-PGPUB;<br>USPAT; USOCR        | OR | ON | 2008/01/23<br>07:48 |
| S27 | 500    | S24 and S25 and S26   | US-PGPUB;<br>USPAT; USOCR        | OR | ON | 2008/01/23<br>07:48 |
| S28 | 123060 | piezoelectric or piezoceramic or electroceramic or electrostrictive | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/23<br>08:47 |
| S29 | 153469 | notch or micronotch or notched or micronotched                      | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/23<br>08:47 |
| S30 | 897    | S28 and S29   | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/23<br>08:47 |
| S31 | 632800 | ceramic or green or multilayer\$3 or multi adj layer\$3             | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/23<br>08:49 |
| S32 | 173    | S30 and S31   | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/23<br>08:49 |
| S33 | 222525 | crack\$3 or microdisturbance or microcrack \$3                      | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/23<br>09:04 |
| S34 | 1846   | S28 and S33   | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/23<br>09:04 |
| S35 | 624    | S34 and S31   | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/23<br>09:05 |
| S36 | 2102   | 156/89.11-89.27.ccls.   | US-PGPUB;<br>USPAT; USOCR        | OR | ON | 2008/01/23<br>10:16 |
| S37 | 353080 | crack\$3 or microdisturbance or microcrack \$3                      | US-PGPUB;<br>USPAT; USOCR        | OR | ON | 2008/01/23<br>10:16 |
| S38 | 591    | S36 and S37   | US-PGPUB;<br>USPAT; USOCR        | OR | ON | 2008/01/23<br>10:17 |
| S39 | 590    | 156/89.12,89.23.ccls.   | US-PGPUB;<br>USPAT; USOCR        | OR | ON | 2008/01/23<br>10:27 |
| S40 | 103203 | "310"/\$7.ccls.   | US-PGPUB;<br>USPAT; USOCR        | OR | ON | 2008/01/23<br>10:27 |
| S41 | 1366   | S24 and S37 and S40   | US-PGPUB;<br>USPAT; USOCR        | OR | ON | 2008/01/23<br>10:27 |

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|-----|---------|--|----------------------------|----|-----|------------------|
| S42 | 1050752 | ceramic or green or multilayer\$3 or multi adj layer\$3  | US-PGPUB; USPAT; USOCR     | OR | ON  | 2008/01/23 10:28 |
| S43 | 1038    | S41 and S42  | US-PGPUB; USPAT; USOCR     | OR | ON  | 2008/01/23 10:29 |
| S44 | 1029    | S43 not S38  | US-PGPUB; USPAT; USOCR     | OR | ON  | 2008/01/23 10:30 |
| S45 | 3       | "1828178"  | EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/01/23 11:23 |
| S46 | 2       | "19928178"   | EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/01/23 11:23 |
| S47 | 40      | ("4523121"   "4978881").PN. OR ("5245734").URPN.   | US-PGPUB; USPAT; USOCR     | OR | OFF | 2008/01/23 13:19 |
| S49 | 6       | "1850403"  | EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/01/29 14:09 |
| S50 | 1       | ("6731050").PN.  | US-PGPUB; USPAT; USOCR     | OR | OFF | 2008/01/29 14:25 |
| S51 | 12      | ("5237239"   "5389851"   "5406164"   "6452308"   "6452312"   "6462464").PN. OR ("6731050").URPN.                         | US-PGPUB; USPAT; USOCR     | OR | OFF | 2008/01/29 14:25 |
| S52 | 1       | ("6411018").PN.  | US-PGPUB; USPAT; USOCR     | OR | OFF | 2008/01/29 14:50 |
| S53 | 6       | ("6411018").URPN.  | USPAT                      | OR | OFF | 2008/01/29 14:56 |
| S54 | 14      | ("4012588"   "5438232"   "5459371"   "6104129"   "6191522"   "6208026"   "6236146"   "6291929").PN. OR ("6411018").URPN. | US-PGPUB; USPAT; USOCR     | OR | OFF | 2008/01/29 14:57 |
| S55 | 1       | ("20020043901").PN.  | US-PGPUB; USPAT; USOCR     | OR | OFF | 2008/01/29 15:00 |
| S56 | 324     | "310"/364.ccls.  | US-PGPUB; USPAT; USOCR     | OR | ON  | 2008/01/29 15:06 |
| S57 | 562     | "310"/367.ccls.  | US-PGPUB; USPAT; USOCR     | OR | ON  | 2008/01/29 15:06 |
| S58 | 396     | "310"/368.ccls.  | US-PGPUB; USPAT; USOCR     | OR | ON  | 2008/01/29 15:06 |
| S59 | 1222    | S56 or S57 or S58  | US-PGPUB; USPAT; USOCR     | OR | ON  | 2008/01/29 15:07 |
| S60 | 416405  | ceramic  | US-PGPUB; USPAT; USOCR     | OR | ON  | 2008/01/29 15:41 |
| S61 | 528     | S59 and S60  | US-PGPUB; USPAT; USOCR     | OR | ON  | 2008/01/29 15:41 |
| S62 | 3146    | piezoceramic   | US-PGPUB; USPAT; USOCR     | OR | ON  | 2008/01/29 15:42 |
| S63 | 1052680 | ceramic or green or multilayer\$3 or multi adj layer\$3  | US-PGPUB; USPAT; USOCR     | OR | ON  | 2008/01/29 15:42 |
| S64 | 593     | S59 and (S60 or S62 or S63)  | US-PGPUB; USPAT; USOCR     | OR | ON  | 2008/01/29 15:42 |
| S65 | 1214    | "310"/366.ccls.  | US-PGPUB; USPAT; USOCR     | OR | ON  | 2008/01/29 16:00 |
| S66 | 778     | S65 and (S60 or S62 or S63)  | US-PGPUB; USPAT; USOCR     | OR | ON  | 2008/01/29 16:01 |

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|-----|-----|-------------|---------------------------|----|----|---------------------|
| S67 | 666 | S66 not S64 | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/01/29<br>16:01 |
|-----|-----|-------------|---------------------------|----|----|---------------------|

1/30/2008 8:25:15 AM

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